



Repeater: NØDX 145.190 MHz (Input 144.590 / Tone 192.8 Hz)



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The Eastern Iowa DX Bulletin

Number 233, August 2, 2024

Craig Fastenow, KØCF, Editor

This bulletin is a compilation of **currently active** DX operations (or those that will become active within the current week) from recent issues of the three DX bulletins listed below and other sources. Credit for the source is given at the end of each article.

Articles are ordered by the entity's callsign prefix from the *ARRL DXCC Entities List*. Callsigns used are in **bold** with dates of operation highlighted in **red**. Clickable links are provided for QSL and other information wherever possible. Note that articles may be edited for grammar, language, style and accuracy and will remain in *The Bulletin* while active; articles that are announcements of ongoing operations, or that have no specified end date, will be removed after three weeks.

Also included is a [Propagation](#) section, updated daily; and a [Contest Calendar](#) of upcoming popular contests.

DX News items are courtesy of:

The ARRL DX Bulletin

The bulletin is available at <http://www.arrl.org>

425 DX News, A.R.I. DX Bulletin (425DXN)

Edited by Mauro Pregliasco, I1JQJ & Valeria Pregliasco, IK1ADH

425 DX News Home Page: <https://www.425dxn.org/>

425 DX News Google Group: <https://groups.google.com/g/425eng>

DX Newsletter (DXNL)

Edited by Andreas Salder, DK5ON

A weekly service of DARC Committee "DX", <http://www.darcdxhf.de>

Ohio-Penn DX Bulletin (OPDX)

Edited by Tedd Mirgliotta, KB8NW. Although OPDX is no longer published as a weekly bulletin, Tedd still sends DX news emails.

We will occasionally publish some of them.

Propagation data is from:

National Oceanic and Atmospheric Administration's

[Space Weather Prediction Center](#)

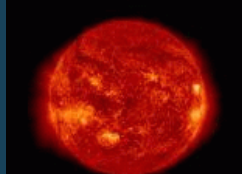
Dr. Tony Phillips' SpaceWeather.com, used by permission

Contest data courtesy of the [WA7BNM Contest Calendar](#)



Solar-Terrestrial Data

03 Aug 2024 1720 GMT
SFI: 247 SN: 217
A-Index: 9
K-Index: 2
X-Ray: M1.4
304A: 160.6 @ SEM
Ptn Flx: 872
Elc Flx: 9050
Aurora: 3/n=1.99
Mag (Bz): 2.6
Solar Wind: 362.9
Geomag Field QUIET
Sig Noise Lvl S1-S2
Current Solar Image



<http://www.nonbh.com>
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DX News

5H, TANZANIA. Uli, DO4UB, is active as **5H2MUA** from Tanzania, and can be heard from time to time, mostly on 10m and 15m, sometimes 20m and 80m. His QTH is near the city of Arusha, between Serengeti and Mount Kilimanjaro. He plans to post pictures on QRZ.com. QSL via [DO4UB](#).
-[OPDX July 25, 2024] (0726-0816)

5Z, KENYA. Mark, VK3XB, is currently back on the air as **5Z4XB** from Nairobi. He is in Australia during July, but then returns to Kenya in **August**. QSL via [VK3WIA](#).

-[DXNL # 2412 June 26, 2024] (0726-0830)

8Q, MALDIVES. Gregor, S53RA will be QRV as **8Q7GG** from the islands Fulidho, Maafushi, and Thoddoo, all IOTA AS-013, and possible others, from **August 3rd to 13th**. Activity will be on the HF bands using CW, SSB, and FT8. QSL to [S53RA](#).

-[ARRL DX Bulletin # 28 August 1, 2024] (0802-0816)

A2, BOTSWANA. Andi, DB8UX, will be active as **A25UX** from **August 3rd to 9th** during his evening hours on 40-10m (FT8) with 10W. QSL via ClubLog's OQRS, LoTW.

-[DXNL # 2417 July 31, 2024] (0802-0809)

CN, MOROCCO. Taking part in the annual Throne Day's celebrations, members of the Association Royale des Radioamateurs du Maroc (ARRAM) will be using the special **prefix 5C25** from **July 25th to August 5th**: e.g. CN8NOA will be using 5C25NOA. The national society (CN8MC) will be running the Silver Jubilee special event station **5C25FT**. Throne Day is a public holiday in Morocco that commemorates the enthronement of the incumbent monarch. Since 1999, it has been celebrated on July 30th.

-[425DXN # 1733 July 20, 2024] (0719-0809)

DL, GERMANY. Members of DARC's Ortsverband Greifswald (DLØHGW) will be active as **DL25ØCDF** from **August 1st to September 30th**. The special callsign marks the 250th anniversary since the birth of the painter Caspar David Friedrich, an icon of the German Romantic movement. A certificate will be available, see <https://dl0hgw.darc.de/dl250cdf.htm> for information. All QSOs will be confirmed automatically via the bureau, eQSL and LoTW.

-[425DXN # 1733 July 20, 2024] (0726-0927)

DU, PHILIPPINES. Brian, DU1MS and Patrick, 4F1PH will be QRV as **DZ9TI** from Taganak Island, Turtle Islands, Tawi-Tawi islands (OC-225) from **August 3rd to 5th**. Activity will be on 40, 20, 15, and possibly 10 meters using CW and SSB. QSL via [DZ1REC](#).

-[ARRL DX Bulletin # 28 August 1, 2024] (0802-0809)

DXCC TOP TWENTY. Here are the top 20 entities on ClubLog's "DXCC Most Wanted" list as of August 2, 2024:

1. P5	DPRK (North Korea)	11. ZS8	Prince Edward & Marion Islands
2. BS7H	Scarborough Reef	12. KH4	Midway Island
3. CEØX	San Felix Islands	13. VKØM	Macquarie Island
4. BV9P	Pratas Island	14. PYØS	Saint Peter And Paul Rocks
5. KH7K	Kure Island	15. KP5	Desecheo Island
6. KH3	Johnston Island	16. VPØS	South Sandwich Islands
7. 3Y/P	Peter 1 Island	17. KH5	Palmyra & Jarvis Islands
8. FT5/X	Kerguelen Island	18. ZL9	New Zealand Subantarctic Islands
9. YVØ	Aves Island	19. FK/C	Chesterfield Islands
10. 3Y/B	Bouvet Island	20. VKØH	Heard Island

For the complete list, see <https://clublog.org/mostwanted.php>

-[KØCF August 2, 2024] (0802-0823)

E5/S, SOUTH COOK IS. Steve, ZL2KE will be active as **E51KEE** from Rarotonga (OC-013) on **July 20th - August 2nd** (including an entry in the IOTA Contest July 27th-28th), and from Aitutaki (OC-083) on **August 3rd-6th**. He will operate CW and SSB. QSOs will be uploaded to LoTW, QRZ Logbook, eQSL, ClubLog.

Steve, ZL4CZ will be active as **E51CZZ** from Rarotonga on **July 27th-31st** and from Aitutaki on **August 1st-6th**. He will operate SSB.

The two Steves will be staying at the same beach house on Rarotonga, and at adjacent bungalows on Aitutaki. They will be QRV mainly on 20, 15 and 10 meters (also possible are 40, 30, 17 and 12 meters, 160 and 80m "depending on QRN and interest from DXers"). QSL both E51KEE and E51CZZ direct to [IK2DUW](#).

-[425DXN # 1731 July 6, 2024] (0719-0809)

ES, ESTONIA. SP7VC and SQ7OYL and will be active as **ES/SP7VC** and **ES/SQ7OYL** during a camper trip from **July 29th to August 16th**. QSL via [SP7VC](#), PayPal, LOTW.

-[DXNL # 2416 July 24, 2024] (0726-0816)

F, FRANCE. Celebrating the Paris 2024 Olympic and Paralympic Games, members of the Union des Radioclubs (URC) will use **TM2Ø24JOP** from **July 26th to August 9th**, and **TM2Ø24JPP** on **August 10th-11th** and **August 28th to September 9th**: <https://log-et-qs1.associations-radioamateurs.org/wp/boutique/>
 -[425DXN # 1734 July 27, 2024] (0726-0809)

F, FRANCE. Vitaly, F4WBU will operate two special callsigns in support of the 33rd Summer Olympics Games: **TM33SOG** (**July 26th-31st**) and **TM24G** (**August 1st-11th**). All QSOs will be confirmed via the bureau.
 -[425DXN # 1734 July 27, 2024] (0726-0816)

F, FRANCE. Members of Radio-Club d'Esquerdes will be active as **TM2Ø24JO** from **July 27th to August 10th** during the Olympic Games. QSLs via the bureau to [F5KAI](#).
 -[425DXN # 1727 June 8, 2024] (0726-0809)

F, FRANCE. Members of the Association des Radioamateurs de l'Indre will be active as **TM36JO** from **July 29th to August 11th** during the Paris 2024 Olympic Games. QSL via the bureau, or direct to [F5OHM](#).
 -[425DXN # 1724 May 18, 2024] (0726-0816)

F, FRANCE. Michel, F8GGZ will be active as **TM24JOL** from **July 26th to August 11th**, and as **TM24JPO** from **August 28th to September 8th** for the Paris 2024 Olympic and Paralympic Games, respectively. QSL via [F8GGZ](#).

Several other callsigns are expected to be active during the Summer Olympics, including

TM1ØØOG operated by Team TM3P; QSL direct to [F5PYI](#)

TM17JO operated by Jean-Claude, F1HOM from Re Island (EU-032);
 QSL via the bureau

TM2Ø24JO operated by members of Radio Club d'Esquerdes. QSL via [F5KAI](#).

TM24PRS operated by F4DTO and F4GFE; QSL via [F4DTQ](#)

TM36JO operated by members of the Association des radioamateurs de l'Indre; QSL via the bureau, or direct to [F5OHM](#)

TM37JO operated by F4ENK, F4ERS, F5CWU, F5SQM and F6FYA; QSL via F5CWU's OQRS (<https://www.f5cwu.net/oqrs/>)

TM4ØJO operated by members of the RadioPole Associatif REF-40 (F4KLM); QSL via [F6DZU](#) and LoTW

TM73JO operated by F6HQP; QSL via the bureau, LoTW, QRZ Logbook

TM8JOP operated by Yves, F8LLA, one of the 45,000 volunteers who will support the Olympics

-[425DXN # 1733 July 20, 2024] (0726-0906)

F, FRANCE. Numerous special event stations will be active around the Olympic Games:

- **TMØØJO** **July 28th to August 11th**, dpt 84 (Vaucluse)
 - **TM24JOL** **July 29th to August 11th**, dpt 71 (Saone et Loire), op. Michel F8GGZ
 - **TM63JO** **August 8th to 11th**, dpt 63 (Puy de Dome)
 - **TM88JO** **August 1st to 6th**, and **August 8th to 11th**, dpt 88 (Vosges),
 op. Franck F4ISZ
 - **TM2Ø24JOP** **July 26th to August 9th**
 - **TM51OG** and **TM51JO** **July 26th to August 9th**, dpt 51 (Marne)
 - **TM67JO** **July 26th to August 11th**, dpt 67 (Bas-Rhin), ops F1LFL, F5PZT, F5TFW
 - **TM2Ø24OG** **July 26th to August 11th**
 - **TK2AJO** and **TK2BJO** **July 26th to August 11th**
 - **TM74JO** **August 8th to 11th**, Dpt 74 (Haute-Savoie)
 - **TM49GO** **July 27th to August 10th**, Dpt. 49 (Maine et Loire)
 - **TM2Ø24JO** **July 27th to August 10th**, dpt 62 (Pas de Calais)
 - **TM36JO** **July 29th to August 11th**, dpt 36 (Indre)
- [DXNL # 2416 July 24, 2024] (0726-0816)

F, FRANCE. In addition to earlier lists, the following special event stations are also active around the Olympic Games:

- * **TM86JO**, **August 5th-11th**, Dept. 86 (Vienne)
- * **TM2024JPP**, **August 10th-11th**, August, Dept. 62 (Pas de Calais)
- * **TM5FO**, **August 26th**, Dept. 80 (Somme)
- * **TM51JP**, **August 28th-Sept. 8th**, Dept. 51 (Marne)
- * **TM40IPC**, **August 28th-Sept. 8th**, Dept. 40 (Landes)
- * **TM24JPO**, **August 28th-Sept. 8th**, Dept. 71 (Saone et Loire)

-[DXNL # 2417 July 31, 2024] (0802-0906)

F, FRANCE. Olympic Games Special Event Stations The special event station **TM51JO** will be active from **July 26th to August 9th** during the Olympic Games and the special event station **TM51JP** from **August 28th to September 8th** during the Paralympic Games. For more information see [TM51JO](#) and [TM51JP](#) on qrz.com. QSL both via [F5JYD](#).

-[DXNL # 2411 June 19, 2024] (0726-0809)

F, FRANCE. During the Paris 2024 Olympic Torch Relay and the actual Olympic Games, look for **TM67OG** to be active for fifteen days from **June 25th to July 27th**, and **TM67JO** to be active for another fifteen days from **July 26th until August 11th**. The operators will be F1LFL (SSB), F5PZT (FT8 and FT4) and F5TFW (CW). QSL via [F1LFL](#).

-[425DXN # 1728 June 15, 2024] (0621-0816)

FY, FRENCH GUIANA. Thierry, FY4JI is QRV with special call sign **TO973FY** until **August 10th** to celebrate the 2024 Summer Olympic Games. Activity is on the HF bands using SSB and FT8. QSL via [EA5GL](#).

-[ARRL DX Bulletin # 27 July 25, 2024] (0726-0816)

GM, SCOTLAND. (OPERATION CANCELED due to weather!) Depending on weather and sea conditions, team **MM0UKI** will be active from the Flannan Islands (EU-118) **starting on August 1st** "until the first available weather window for departure on August 4th or thereafter". Plans are for five operators (Nobby G0VJG, John G4IRN, Paul G4PVM, Mike GM5AUG and Jamie M0SDV) to be QRV on 40-6 meters CW and SSB with three stations. QSL via [M0OXO's QQRS](#).

-[425DXN # 1732 July 13, 2024] (0726-0809)

HK0, SAN ANDRES & PROVIDENCIA. Frank, **HK0RMR** has been active on 15 meters using FT8 around 0300z. QSL via LoTW.

-[ARRL DX Bulletin # 28 August 1, 2024] (0802-0823)

I, ITALY. Celebrating Pesaro Capitale Italiana della Cultura (Italian Capital of Culture) 2024, members of ARI Pesaro and ARI Fano will be active as **I16CIC** from **June 1st to August 29th**. QSL via [I16CIC](#).

-[425DXN # 1725 May 25, 2024] (0531-0830)

J3, GRENADA. Ishmael, 8P6PE is QRV as **J38PE** from Carriacou Island (NA-147) until **August 5th** to activate various POTA sites. Activity is on the HF bands. QSL to [8P6PE](#).

-[ARRL DX Bulletin # 28 August 1, 2024] (0802-0809)

J6, ST. LUCIA. Matts, SM0FPR, is currently active holiday-style as **J6/SM0FPR**, mainly on 20, 17, and 15m (CW) during the evening hours. The duration of his stay is unknown; he may also go on to visit Martinique (FM) and St. Vincent / Grenadines (J8). QSL via [SM0FPR](#).

-[DXNL # 2415 July 17, 2024] (0719-0809)

K, UNITED STATES. The Old Barney Amateur Radio Club will be active as **W2T** from the Tucker's Island Lighthouse in the Tuckerton Seaport (mainland New Jersey) on **August 3rd**, from about 1300 UTC to 2000 UTC. QSL VIA [N2OO](#).

-[425DXN # 1734 July 27, 2024] (0802-0809)

K, UNITED STATES. Don, K6ZO (7Q6M) and Brian (WV8BNM) will be active as **W1N** from Nantucket Island (NA-046) from **July 23rd to August 4th**. They operate CW, SSB, FT4 and FT8. QSL via LoTW.

-[425DXN # 1734 July 27, 2024] (0726-0809)

KH5, PALMYRA & JARVIS IS. A group of operators will be QRV as **N5J** from Jarvis Island (OC-081) from **August 7th to 19th**. Activity will be on 160 to 6 meters using CW, SSB, and FT8. QSL via [ClubLog's OQRS](#).

-[ARRL DX Bulletin # 28 August 1, 2024] (0802-0823)

LY, LITHUANIA. Special callsigns **LY35BW** and **LY35A** will be active **until August 31st** to celebrate the 35th anniversary of the Baltic Way. On August 23, 1989, hundreds of thousands of people formed a human chain spanning across Estonia, Latvia and Lithuania, demanding the reestablishment of the independence of the Baltic States. A special award will be available, see <https://www.qrz.com/db/LY35BW> for the details.

-[425DXN # 1735 August 3, 2024] (0802-0830)

OE, AUSTRIA. Celebrating the 60th anniversary of the Rhein Ruhr DX Association (<https://rrdxa.org/>), Tom, OE4EIE is active as **OE4RRDXA** from **July 1st to September 30th**. QSOs will be uploaded to LoTW and ClubLog; paper QSL cards will not be available.

-[425DXN # 1731 July 6, 2024] (0705-0927)

OE, AUSTRIA. Special callsign **OE7ØVIE** marks the 70th anniversary of Vienna International Airport (IATA code VIE) from **June 21st to September 30th**. QSL via [ClubLog's OQRS](#) (preferred), LoTW in due course, or via [OE6VIE](#).

-[425DXN # 1729 June 22, 2024] (0621-0927)

OH, FINLAND. SP7VC and SQ7OYL and will be active as **OH/SP7VC** and **OH/SQ7OYL** during a camper trip from **July 29th to August 16th**. QSL via [SP7VC](#), PayPal, LoTW.

-[DXNL # 2416 July 24, 2024] (0726-0816)

OK, CZECH REPUBLIC. An international group of YLs will be active as **OL88YL** from **August 4th to 10th** from the OK5Z contest station. For more information see: <https://www.qrz.com/db/OL88YL>. QSL via LoTW, [ClubLog's OQRS](#), or via [HB9FPM](#).

-[DXNL # 2417 July 31, 2024] (0802-0809)

OM, SLOVAK REPUBLIC. Special station **OM8ØSNP** will be active on **August 1st-31st** commemorating the 80th anniversary of the Slovak National Uprising (Slovenske Narodne Povstanie) during World War II. QSL via [ClubLog's OQRS](#), LoTW, or via [OM2FY](#).

-[425DXN # 1734 July 27, 2024] (0726-0830)

OX, GREENLAND. Emil, DL8JJ will be active again as **OX/DL8JJ** from Greenland from **July 26th to August 15th**. In his spare time, he will operate CW (10 watts, battery powered) from the base camp at Tasiilaq (NA-151), and from various locations on the main island (NA-018). QSL via [DL8JJ](#) or LoTW.

-[425DXN # 1733 July 20, 2024] (0726-0816)

OX, GREENLAND. Matt, KØMOS, and his wife kayak around Southern Greenland from **July 20th until August 4th** and will be paying visits to Greenland's coastal islands in the NA-220 and NA-018 groups. QRV during rest periods as **OX/KØMOS/p** on 20, 15, and 10m (SSB) with 10W. QSL direct via [KØMOS](#), LoTW.

-[DXNL # 2415 July 17, 2024] (0719-0809)

OZ, DENMARK. The following special event callsigns celebrate the 60th anniversary of IOTA **until the end of August**:

OZ6ØIOTA (mainland),
5P6ØIOTA/Ø (EU-030),
5P6ØIOTA/1 (EU-171),
5P6ØIOTA/2 (EU-172),
5P6ØIOTA/5 (EU-125),
5P6ØIOTA/8 (EU-088),
5P6ØIOTA/9 (EU-029).

For a schedule of activities see: <https://www.supersaas.dk/schedule/EDR/OZ60IOTA>. A number of certificates will be available, see <https://www.qrz.com/db/OZ60IOTA> for complete information. QSL via [ClubLog's OQRS](#) (preferred), LoTW, or via [OZ1ACB](#).

-[DXNL # 2413 July 3, 2024] (0705-0830)

SM, SWEDEN. Kjell, SM4DDS will be active again as **7S5A** from Stora Alo/Boko Island (EU-177) **until August 5th**. He will operate CW, SSB and FT8 on 80-6 meters. QSL via [ClubLog's OQRS](#), LoTW, or via [SM4DDS](#).

-[425DXN # 1735 August 3, 2024] (0802-0809)

SP, POLAND. Special callsigns **SO8ØPW** and **SP8ØPW** will be active from **July 29th to August 4th** commemorating the 80th anniversary of the Warsaw Uprising (Powstanie Warszawskie) during World War II. QSLs via [SP3PDO](#).

-[425DXN # 1734 July 27, 2024] (0726-0809)

SV, GREECE. Savas, SV2AEL will be active again as **SV2AEL/8** from Ammouliani Island (EU-174, WWL KN10wh) on **August 1st-10th**. He will be QRV on 80-10 meters, plus 6 meters if the propagation permits. QSL via LoTW, [ClubLog's OQRS](#), or direct to [SV2AEL](#).

-[425DXN # 1734 July 27, 2024] (0726-0816)

SV, GREECE. Members of the Deep Blue DX Team will be active as **J48FT** from Tinos Island (EU-067) from **July 26th to August 9th**, including an entry in the IOTA Contest. QSL cards will not be available, but QSOs will be uploaded to LoTW, ClubLog and eQSL.

-[425DXN # 1731 July 6, 2024] (0726-0809)

TK, CORSICA. Frans, DJØTP is QRV as **TK/DJØTP** **until September 4th**. QSL to [DJØTP](#) and LoTW.

-[ARRL DX Bulletin # 28 August 1, 2024] (0802-0906)

TU, COTE d'IVOIRE. Yigitcan, TA2YGT is QRV as **TU/TA2YGT** **until September 16th**. Activity is in his spare time on 20 meters, and on Satellite QO-100, using primarily FT8, and possibly SSB. QSL direct to [TA2YGT](#).

-[ARRL DX Bulletin # 28 August 1, 2024] (0802-0920)

UN, KAZAKHSTAN. Darek, SP9DLM and his son Gregor, SN9GM will be active as **UN/SP9DLM** and **UN/SN9GM** from Kazakhstan from **July 25th to August 12th**. Gregor is the youngest radio amateur in Poland; he passed the exam last year, when he was 10 years old. QSL via home calls [SP9DLM](#) & [SN9GM](#) (bureau preferred), LoTW, eQSL.

-[425DXN # 1734 July 27, 2024] (0726-0816)

V4, ST. KITTS & NEVIS. Gary, GØFWX will be active again as **V47FWX** from St. Kitts (NA-104) from **July 28th to August 24th**. QSL via [MØURX's OQRS](#).

-[425DXN # 1734 July 27, 2024] (0726-0823)

V8, BRUNEI. Celebrating the 78th birthday of HM Hassanal Bolkiah, Sultan and Yang Di-Pertuan of Brunei, special callsign **V84SPU** will be active from **July 20th to August 3rd** on all bands SSB, CW and FT8. QSL direct to P.O. Box 849, MPC Old Airport, Bandar Seri Begawan BB3577, Brunei Darussalam.

-[425DXN # 1734 July 27, 2024] (0726-0809)

VE, CANADA. Pierre, VE3KTB will be QRV from Eureka Amateur Radio Club station **VYØERC** located on Ellesmere Island (NA-008) from **July 21st to August 7th** while on work assignment. Activity will be in his spare on 20, 15, and 10 meters, and possibly 17 and 12 meters, using CW, SSB, and FT8. QSL via [MØOXO's OQRS](#).

-[ARRL DX Bulletin # 26 July 18, 2024] (0719-0809)

VK, AUSTRALIA. Tom, W1EAT, will be active holiday style as **W1EAT/VK4** from Hamilton Island (OC-160) from **July 25th to August 5th**. He will operate QRP on 20 meters only. QSL via LoTW, or direct to [W1EAT](#).

-[425DXN # 1733 July 20, 2024] (0719-0809)

VP8, FALKLAND IS. Gerry, G3WIP is QRV as **VP8DPD** from Stanley **until August 12th**. Activity is in his spare time on 17, 15, and 10 meters using mainly FT8. QSL to [G3WIP](#).

-[ARRL DX Bulletin # 28 August 1, 2024] (0802-0816)

YJ, VANUATU. Chris, VK2YUS will be active again as **YJØCA** from Port Vila (OC-035) Vanuatu from **July 30th to August 10th**. He will operate SSB on 40- 10m, mainly between 2100 UTC and 1000 UTC.

He does not use LoTW or ClubLog; QSL direct to VK2YUS.

-[425DXN # 1734 July 27, 2024] (0726-0816)

YN, NICARAGUA. Rafael, NN3RP, will be active from the cities Granada, Rivas, and Somoto as **YN2RP** from **July 24th to August 20th** on 40-10m (CW, SSB, FT4/8). QSL via NN3RP, LoTW, eQSL, qrz.com.

-[DXNL # 2416 July 24, 2024] (0726-0823)

YO, ROMANIA. Special callsign **YQ6ØYODXC** celebrates the 60th anniversary of the YO DX Club **until August 31st**. A number of certificates will be available, see <https://www.qrz.com/db/YQ60YODXC> for the details.

-[425DXN # 1735 August 3, 2024] (0802-0830)

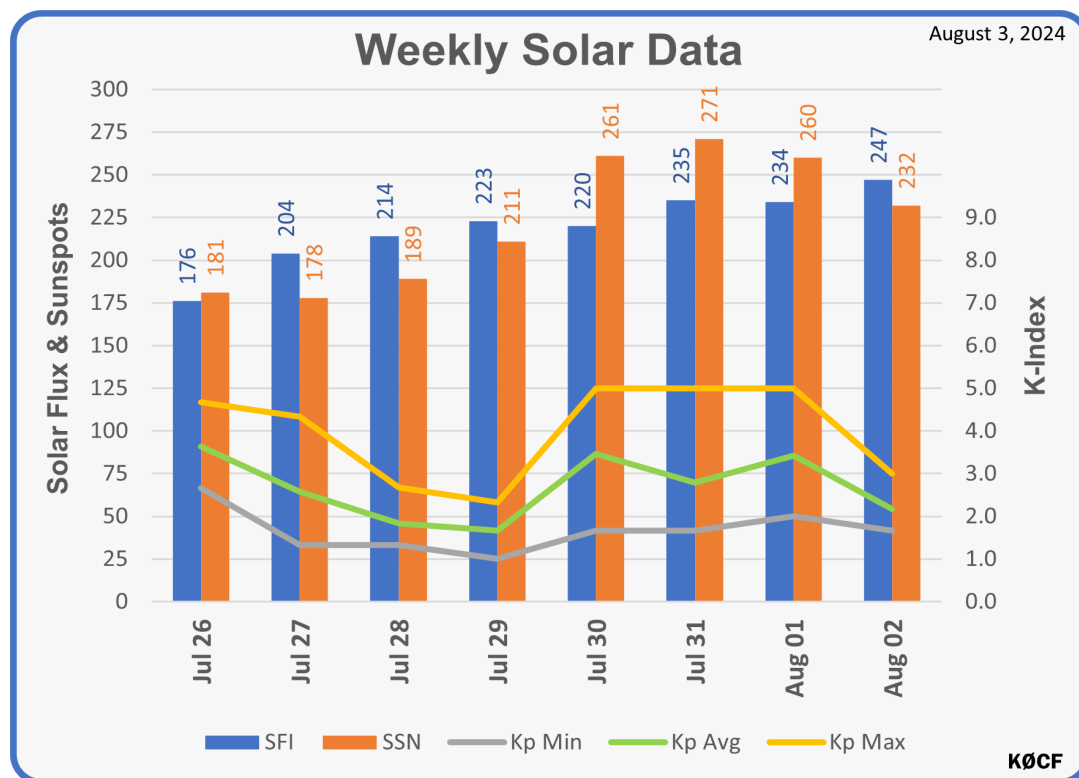
Z3, NORTH MACEDONIA. Members of the Radioamateur Society of Macedonia are QRV with special event station **Z38ØASNOM** **until August 10th** to celebrate the 80th anniversary of the first session of the antifascist assembly of the Peoples liberation of Macedonia. QSL via bureau.

-[ARRL DX Bulletin # 28 August 1, 2024] (0802-0809)

ZA, ALBANIA. Luca, IU3MDI will be QRV as **ZAIU3MDI** from Shkoder from **August 3rd to 17th**. Activity will be at various times on 40 to 10 meters using CW, SSB, and FT8. QSL via IU3MDI, LoTW, eQSL.

-[ARRL DX Bulletin # 28 August 1, 2024] (0802-0816)

Propagation (Updated daily)



The Weekly Solar Data chart plots Solar Flux Index (SFI), Sunspot number (SSN) and Planetary K-Index (Kp) for the past 8 days. With 8 Planetary K-index readings each day, only the minimum, average and maximum K-index values are plotted. **Note:** You may click [here](#) or on the chart above to see the same data for the past month.

The Daily Solar Flux Index, Sunspot number, Planetary K-index, Solar Flux predictions and Solar Flare data used in this bulletin have been collected by KØCF from the U.S. Department of Commerce's

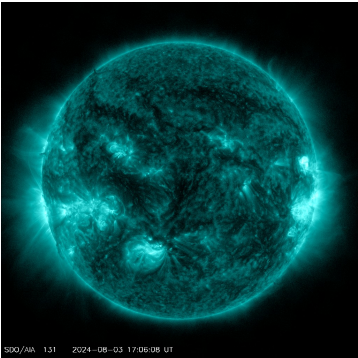
NOAA Space Weather Prediction Center.

The propagation graphs above are the creations of KØCF and are unique in space weather reporting.

Please Note: The graphs are high resolution .PNG files which you may view in greater detail using your browser's "zoom" feature. Alternatively, right click on the graph and select "Open Image in New Tab" to enlarge it, or "Save Image As..." to save it to your computer for further analysis.

NASA's current view of the Sun at a wave-length of 131 Angstroms. This wavelength shows incredible solar detail.

Click [here](#) or on the image to view as a full screen 48-hour video loop. It is fascinating!



Propagation Summary

For the 8 day period from Friday, July 26th through yesterday, August 2nd.

The average solar flux was 225, up 42 points from the previous week, with a weekly high of 247 on Friday, August 2nd, following a low of 176 on July 26th. The solar flux of 247 yesterday is a new high for Cycle 25.

The average sunspot count was 229, up 48 from last week, peaking at 271 on Wednesday, July 31st after a weekly low of 178 on July 27th.

The Planetary K-index weekly average was 4.0 with a maximum of 5.0 on Thursday, August 1st, resulting in minor geomagnetic storm conditions. Yesterday's K-index maximum was 3.0 with generally quiet conditions.

Solar flare activity since July 27th has been nearing historic levels with 52 major flares, the largest of which was a major X 1.5 event on Monday, July 29th.

Propagation Data

Major solar flares, Saturday, July 27th through 1319 UTC, August 3rd.

#	Date	UTC	Mag.
1	Aug 03	0730	M 1.9
2	Aug 03	0459	M 1.5
3	Aug 02	2356	M 1.3
4	Aug 02	1530	M 1.5
5	Aug 02	0951	M 1.6
6	Aug 02	0916	M 1.2
7	Aug 02	0759	M 2.1
8	Aug 02	0455	M 7.4
9	Aug 02	0358	M 1.1
10	Aug 02	0325	M 1.1
11	Aug 01	2022	M 1.2
12	Aug 01	1729	M 1.3

13	Aug 01	1647	M 1.6
14	Aug 01	1637	M 1.3
15	Aug 01	1147	M 4.1
16	Aug 01	0709	M 8.2
17	Aug 01	0556	M 1.5
18	Aug 01	0441	M 4.0
19	Aug 01	0409	M 1.9
20	Aug 01	0306	M 1.2
21	Aug 01	0150	M 6.3
22	Aug 01	0058	M 1.2
23	Jul 31	1837	M 5.4
24	Jul 31	1631	M 1.4
25	Jul 31	1332	M 4.4
26	Jul 31	0646	M 7.7
27	Jul 31	0523	M 4.7
28	Jul 31	0150	M 1.9
29	Jul 30	1938	M 9.4
30	Jul 30	1920	M 1.9
31	Jul 30	1628	M 1.5
32	Jul 30	0629	M 1.5
33	Jul 30	0140	M 1.4
34	Jul 30	0103	M 1.7
35	Jul 29	1957	M 6.4
36	Jul 29	1446	M 4.2
37	Jul 29	1255	M 8.7
38	Jul 29	1222	M 1.6
39	Jul 29	0520	M 1.0
40	Jul 29	0237	X 1.5
41	Jul 28	2036	M 1.9
42	Jul 28	1826	M 1.3
43	Jul 28	1250	M 2.6
44	Jul 28	1042	M 7.7
45	Jul 28	0348	M 1.5
46	Jul 28	0157	M 9.9
47	Jul 28	0151	M 7.8
48	Jul 27	1839	M 3.4
49	Jul 27	1806	M 2.7
50	Jul 27	1040	M 2.0
51	Jul 27	0546	M 3.1
52	Jul 27	0237	M 4.2

(NOAA's graph of recent flare activity: [GOES-X-Ray-Flux](#))

From the NOAA Space Weather Prediction Center, here are the probabilities of major solar flares and the predicted 10.7 cm Solar Flux for the next 3 days. NOAA updates this information daily.

Date	M-Flares	X-Flares	Solar Flux
Aug 3	75%	25%	245
Aug 4	75%	25%	245
Aug 5	75%	25%	240

Looking farther ahead, here is the NOAA Space Weather Prediction Center forecast of 10.7 cm radio flux and maximum Planetary K-index (Kp) for the next 12 days. This data is updated by NOAA every Monday (last updated on July 29, 2024).

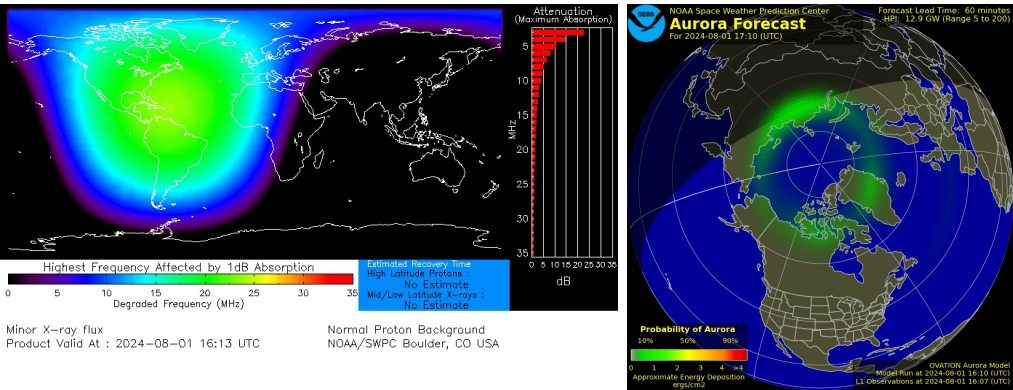
Date	Flux	Kp
Aug 3	190	2
Aug 4	190	2
Aug 5	180	2
Aug 6	180	2

Date	Flux	Kp
Aug 7	185	2
Aug 8	185	2
Aug 9	190	2
Aug 10	190	2

Date	Flux	Kp
Aug 11	190	2
Aug 12	195	2
Aug 13	195	2
Aug 14	190	2

Global D Region Absorption and Auroral Oval

To see complete details, including animated maps, for the current Global D Region Absorption, or North and South Auroral Ovals, click on the desired map:

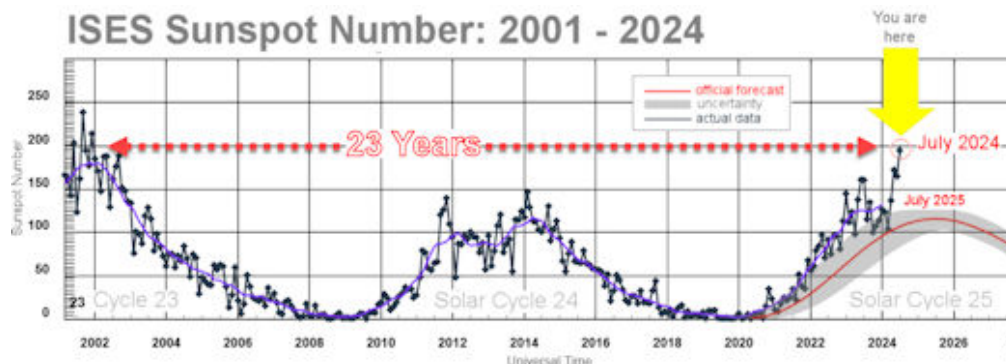


Geomagnetic Storm Watch (G2)

NOAA has issued a geomagnetic storm watch for Aug. 3rd, when [a CME](#) is expected to graze Earth's magnetic field. Hurlled into space by [an M8-class solar flare](#), the CME could spark a [G2-class](#) geomagnetic storm with naked-eye auroras in northern-tier US states. (Copyright © [SpaceWeather.com](#) August 2, 2024. Republished by permission.)

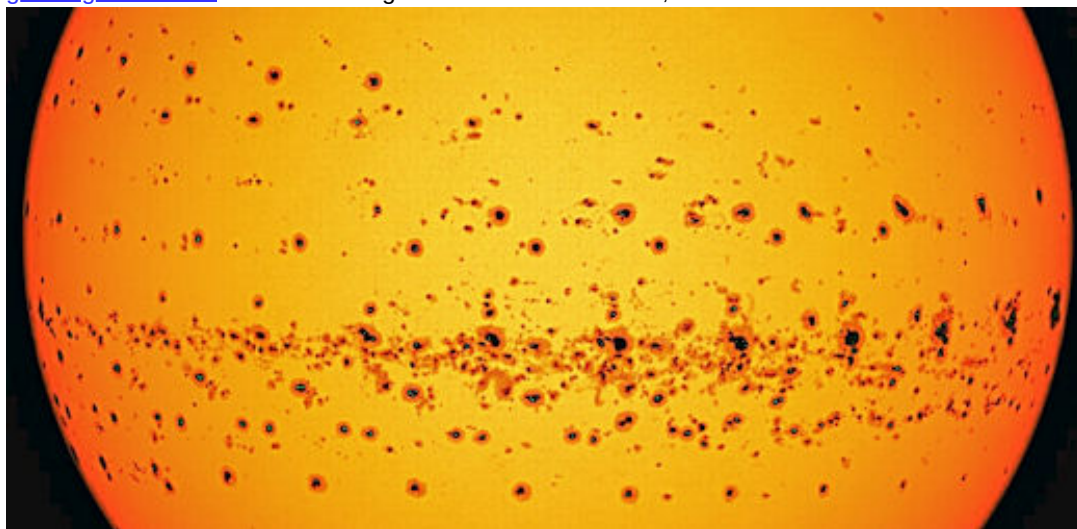
Sunspot Counts Hit a 23-Year High

The sun is partying like it's 2001. That's the last time sunspot counts were as high as they are now. The monthly average sunspot number for July 2024 was 196.5, according to the Royal Observatory of Belgium's [Solar Influences Data Analysis Center](#). This eclipses every month since Dec. 2001:



Solar Cycle 25 wasn't expected to be this strong. When it began in Dec. 2019, experts predicted it would be a weak cycle like its immediate predecessor Solar Cycle 24. If that forecast had panned out, Solar Cycle 25 would be one of the weakest solar cycles in a century.

Instead, Solar Cycle 25 has shot past Solar Cycle 24 and may be on pace to rival some of the stronger cycles of the 20th century. Already in May 2024 we have experienced [a century-class geomagnetic storm](#) with auroras sighted in the South Pacific, central America and south Africa.



Above: A composite image of sunspots in July 2024. credit: Senol Sanli

The last time sunspot numbers were this high, the sun was on the verge of launching the [Great Halloween Storms](#) of 2003, which included the strongest X-ray solar flare ever recorded (X45) and [a CME so powerful](#) it was ultimately detected by the Voyager spacecraft at the edge of the solar system.

Is this Solar Max? The jury is still out. Sunspot numbers may continue to rise in the months ahead and, based on the behavior of previous cycles, we can confidently expect high solar activity for at least 2 to 3 more years. Stay tuned!

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Highs for Cycle 25

Solar Flux: 247 on August 2, 2024.

Sunspots: 283 on April 21, 2024.

Popular Propagation web sites

<https://prop.kc2g.com/> (Excellent Maximum Usable Frequency map)

NOAA <https://www.swpc.noaa.gov/>

<https://www.spaceweather.com/>

<https://www.solarham.com/>

<https://dx.gsl.net/propagation/>

A Propagation Tutorial

The solar X-ray flux tracks solar activity and solar flares. Solar flux, which can vary from as low as 50 to as high as 300, influences the level of ionization in the F2 region of the ionosphere, providing a very good prediction of HF DX conditions. The higher the solar flux, the better conditions will be for the higher HF frequencies and even 6 meters. However, the levels need to be maintained for some days to

allow ionization in the F2 layer to build up. A solar flux of 150 results in good HF band conditions, while levels of 200 and up can provide great conditions.

Large X-ray flares on the sun can increase the ionization of the D layer of the ionosphere (a lower layer) on the sunlit side of the Earth, greatly attenuating or blocking HF radio transmissions for up to a half hour. Solar flares often produce Coronal Mass Ejections (CMEs) which, if Earth directed, can lead to geomagnetic storms. Some large flares are also accompanied by strong radio bursts that may interfere with other radio frequencies and cause problems for satellite communication and radio navigation (GPS).

The Planetary K-index is a measure of the magnitude of geomagnetic storms and is an excellent indicator of disturbances in the Earth's magnetic field. A level of 1 or 2 represents quiet geomagnetic conditions; a reading of 3 or 4 may cause some propagation deterioration; 5 and 6 are minor to moderate geomagnetic storms; and 7 to 9 are strong, severe, and extreme storm conditions. Strong geomagnetic storms can trigger Auroral displays and cause HF radio blackouts. Higher geomagnetic activity also has the adverse effect of lowering maximum usable frequencies, much like lower solar flux does.

For best conditions, the solar flux should be above 150 for a few days with the K index below 2. When these conditions are met, some good DX is likely!
-[Compiled from information on NOAA.gov and other sources]

Contest Calendar

Weekly Contests

Contest	Start UTC		End	Web Site
K1USN Slow Speed Test	Monday	0000Z	0100Z	Rules
ICWC Medium Speed Test	Monday	1300Z	1400Z	Rules
	Monday	1900Z	2000Z	
	Tuesday	0300Z	0400Z	
CWops Test (CWT)	Wednesday	1300Z	1400Z	Rules
	Wednesday	1900Z	2000Z	
	Thursday	0300Z	0400Z	
	Thursday	0700Z	0800Z	
Weekly RTTY Test	Friday	0145Z	0215Z	Rules
NCCC CW Sprint (NS)	Friday	0230Z	0300Z	Rules

Note: Start Days are in UTC, e.g. Monday at 0000 UTC is Sunday at 7:00 PM in the Central Daylight Saving Time zone, or Sunday at 6:00 PM in the Central Standard Time zone.

Full Calendar

Contest	Start		End		Web Site
10-10 Int. Summer Contest, SSB	Aug 3	0001Z	Aug 4	2359Z	Rules
North American QSO Party, CW	Aug 3	1800Z	Aug 4	0600Z	Rules
WAE DX Contest, CW	Aug 10	0000Z	Aug 11	2359Z	Rules
Maryland-DC QSO Party	Aug 10	1400Z	Aug 11	0400Z	Rules

North American QSO Party, SSB	Aug 17	1800Z	Aug 18	0600Z	Rules
ARRL Rookie Roundup, RTTY	Aug 18	1800Z	Aug 18	2359Z	Rules
Hawaii QSO Party	Aug 24	0400Z	Aug 26	0400Z	Rules
World Wide Digi DX Contest	Aug 24	1200Z	Aug 25	1200Z	Rules
YO DX HF Contest	Aug 24	1200Z	Aug 25	1200Z	Rules
Kansas QSO Party	Aug 24	1400Z	Aug 25	2000Z	Rules
Ohio QSO Party	Aug 24	1600Z	Aug 25	0400Z	Rules
UK/EI DX Contest, SSB	Aug 31	1200Z	Sep 1	1200Z	Rules
Tennessee QSO Party	Sep 1	1700Z	Sep 2	0300Z	Rules
CWops CW Open	Sep 7	0000Z	Sep 7	2359Z	Rules
North American Sprint, CW	Sep 8	0000Z	Sep 8	0400Z	Rules
WAE DX Contest, SSB	Sep 14	0000Z	Sep 15	2359Z	Rules
ARRL September VHF Contest	Sep 14	1800Z	Sep 16	0300Z	Rules
North American Sprint, RTTY	Sep 15	0000Z	Sep 15	0400Z	Rules
Scandinavian Activity Contest, CW	Sep 21	1200Z	Sep 22	1200Z	Rules
Iowa QSO Party	Sep 21	1400Z	Sep 22	0200Z	Rules
Texas QSO Party	Sep 21	1400Z	Sep 22	0200Z	Rules
	Sep 22	1400Z	Sep 22	2000Z	
Wisconsin Parks on the Air	Sep 21	1600Z	Sep 21	2300Z	Rules
New Jersey QSO Party	Sep 21	1600Z	Sep 22	0359Z	Rules
New Hampshire QSO Party	Sep 21	1600Z	Sep 21	2200Z	Rules
	Sep 22	1600Z	Sep 22	2200Z	
Washington State Salmon Run	Sep 21	1600Z	Sep 22	0700Z	Rules
	Sep 22	1600Z	Sep 22	2400Z	
CQ Worldwide DX Contest, RTTY	Sep 28	0000Z	Sep 29	2400Z	Rules
Maine QSO Party	Sep 28	1200Z	Sep 29	1200Z	Rules
Oceania DX Contest, Phone	Oct 5	0600Z	Oct 6	0600Z	Rules
California QSO Party	Oct 5	1600Z	Oct 6	2200Z	Rules
Makrothen RTTY Contest	Oct 12	0000Z	Oct 13	1559Z	Rules
Nevada QSO Party	Oct 12	0300Z	Oct 13	2100Z	Rules
Oceania DX Contest, CW	Oct 12	0600Z	Oct 13	0600Z	Rules
Scandinavian Activity Contest, SSB	Oct 12	1200Z	Oct 13	1200Z	Rules
Arizona QSO Party	Oct 12	1500Z	Oct 13	0500Z	Rules
Pennsylvania QSO Party	Oct 12	1600Z	Oct 13	0400Z	Rules
	Oct 13	1300Z	Oct 13	2200Z	
South Dakota QSO Party	Oct 12	1800Z	Oct 13	1800Z	Rules
10-10 Int. Fall Contest, CW	Oct 19	0001Z	Oct 20	2359Z	Rules
New York QSO Party	Oct 19	1400Z	Oct 20	0200Z	Rules
Stew Perry Topband Challenge	Oct 19	1500Z	Oct 20	1500Z	Rules
Illinois QSO Party	Oct 20	1700Z	Oct 21	0100Z	Rules
ARRL School Club Roundup	Oct 21	1300Z	Oct 25	2359Z	Rules

CQ Worldwide DX Contest, SSB	Oct 26	0000Z	Oct 27	2400Z	Rules
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-[Contest data courtesy of the [WA7BNM Contest Calendar](#)]

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